

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	63	(rake same face) same ("110" "(110)") and diamond and (cut cutting grind\$3 grinding)	US-PGPUB; USPAT; USOCR JPO; DERWENT	OR	ON	2009/11/03 08:19
L2	77	(rake same face) same ("110" "(110)") and diamond and (cut cutting grind\$3 grinding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 08:19
L3	1	10/721547	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 08:38
L4	31	wollschlager.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 08:57
L5	8985	(tungsten with carbide with cobalt)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:12
L6	5306	(tungsten near4 carbide near4 cobalt)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:13
L7	3959	(tungsten near2 carbide near2 cobalt)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:13
L8	530	(tungsten near2 carbide near2 cobalt) same (mold\$3 die)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:13
L9	171	(tungsten near2 carbide near2 cobalt) near10 (mold\$3 die)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:13
L10	98	(tungsten near2 carbide near2 cobalt) near10 (mold\$3 die) and (optical lens lens\$3 len\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:19
L11	52	(tungsten near2 carbide near2 cobalt) near10 (mold\$3 die) and (optical lens lens\$3 len)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:20
L12	659	(tungsten near4 carbide near4 cobalt) same (mold die)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:34

L13	465	(tungsten near4 carbide near4 cobalt) same (mold die) and (cut\$3 cutting grind\$3 grind\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:35
L14	233	(tungsten near4 carbide near4 cobalt) same (mold die) and (cut\$3 cutting grind\$3 grind\$3) and (diamond)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:35
L15	202	(tungsten near4 carbide near4 cobalt) same (mold die) and (cut\$3 cutting grind\$3 grind\$3) same (diamond)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:35
L16	170	l15 not l11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:35
L17	80	(tungsten near4 carbide near4 cobalt) same (mold die) and (cut\$3 cutting grind\$3 grind\$3) same (diamond) and (optical lens len prism)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:39
L18	48	l17 not l11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:39
L19	5	wollschlager.xp.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:53
L20	31	wollschlager.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:53
L21	1492	(mold\$3 die) and (microlen\$3 micro-len\$3).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:58
L22	791	(mold\$3 die).ab. and (microlen\$3 micro-len\$3).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:59
L23	84	(mold\$3 die).ab. and (microlen\$3 micro-len\$3).ab. and (cut cutting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 09:59
L24	93	(mold\$3 die).ab. and (microlen\$3 micro-len\$3 micro-optical).ab. and (cut cutting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:00
L25	0	"10721547"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:29
L26	1	"10/721547"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:30

L27	2	"2003311527"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:31
L28	2	("5008002").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:39
L29	234877	(silicon near2 carbide SiC)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:45
L30	10167	(silicon near2 carbide SiC) same CVD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:45
L31	1730	(silicon near2 carbide SiC) same CVD same film same thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:45
L32	846	(silicon near2 carbide SiC) with CVD same film with thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:46
L33	488	(silicon near2 carbide SiC) with CVD with film with thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:46
L34	194	(silicon near2 carbide SiC) with CVD with film with thickness	USPAT	OR	ON	2009/11/03 10:46
L35	18	(silicon near2 carbide SiC) with CVD with film with thickness and (mold\$3 die)	USPAT	OR	ON	2009/11/03 10:48
L36	2	("4882827" "4882238").pn.	USPAT	OR	ON	2009/11/03 11:17
L37	2	l36 and (cut\$3 cutting grind\$3 ground \$3)	USPAT	OR	ON	2009/11/03 11:20
L38	2	l36 and (cut\$3 cutting grind\$3 ground \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:20
L39	1	l36 and (radius diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:23
L40	0	"5008002".pn. and (radius diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:25
L41	2	"5008002".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:25

L42	8	("5667344" "5567522" "5924188" "5133332").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:28
L43	4	(rake same face) same ("110" "(110)") and diamond and (cut cutting grind\$3 grinding) and l42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 11:28
L44	1	("5133332").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 11:48
L45	19	Ni-P near2 ceramic	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 11:58
L46	1	(JP-01222802-\$).did.	JPO	OR	ON	2009/11/03 12:55
L47	2	(JP-01222802-\$).did.	JPO; DERWENT	OR	ON	2009/11/03 12:55
L50	2	(JP-01222802-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 12:59
L51	2	"5861114".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 12:59
L52	0	"10721547" and fixed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 13:03
L53	1	"10/721547" and fixed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 13:03
L74	135	(US-20020112588-\$ or US-20020148941-\$ or US-20020155312-\$ or US-200300003186-\$ or US-20030025227-\$ or US-20030034574-\$ or US-20030111750-\$ or US-20030127759-\$ or US-20030169515-\$ or US-20030209819-\$ or US-20040113299-\$ or US-20040118825-\$ or US-20040217496-\$ or US-20050226955-\$ or US-20050274145-\$ or US-20060120816-\$ or US-20060216515-\$).did. or (US-4168961-\$ or US-4375739-\$ or US-4388097-\$ or US-4497144-\$ or US-4606750-\$ or US-4721518-\$ or US-4764324-\$ or US-4793953-\$ or US-4882238-\$ or US-4882827-\$ or US-5008002-\$ or US-5022797-\$ or US-5032159-\$ or US-5078551-\$ or US-5133332-\$ or US-5171348-\$ or US-5326195-\$ or US-5380349-\$ or US-5389313-\$ or US-5426451-\$ or US-5435815-\$ or US-5436764-\$ or US-5512220-\$ or US-5549855-\$ or US-5567522-\$ or US-5589983-\$).did. or (US-5620717-\$ or US-5638212-\$ or US-5643343-\$ or US-5667344-\$ or US-5700307-\$ or US-	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2009/11/03 13:12

		5711773-\$ or US-5731045-\$ or US-5759457-\$ or US-5770120-\$ or US-5861114-\$ or US-5887048-\$ or US-5924188-\$ or US-5958469-\$ or US-5968422-\$ or US-6003336-\$ or US-6007747-\$ or US-6009728-\$ or US-6021559-\$ or US-6043936-\$ or US-6079913-\$ or US-6091532-\$ or US-6119485-\$ or US-6120280-\$ or US-6165394-\$ or US-6287682-\$ or US-6305194-\$ or US-6354111-\$).did, or (US-6385997-\$ or US-6402996-\$ or US-6436204-\$ or US-6476971-\$ or US-6491481-\$ or US-6510709-\$ or US-6514444-\$ or US-6524363-\$ or US-6533887-\$ or US-6558878-\$ or US-6560994-\$ or US-6582513-\$ or US-6597510-\$ or US-6617271-\$ or US-6654176-\$ or US-6706324-\$ or US-6719930-\$ or US-6726859-\$ or US-6735844-\$ or US-6758640-\$ or US-6764773-\$ or US-6787072-\$ or US-6799963-\$ or US-6846137-\$ or US-6869549-\$ or US-6875379-\$ or US-6887405-\$).did, or (US-6898015-\$ or US-6908266-\$ or US-6913424-\$ or US-6965476-\$ or US-7005243-\$ or US-7009774-\$ or US-7056072-\$ or US-7060175-\$ or US-7140812-\$ or US-7143609-\$ or US-7178433-\$ or US-7179536-\$ or US-7201886-\$).did, or (US-3525610-\$).did, or (JP-01193104-\$ or JP-01222802-\$ or JP-01271130-\$ or JP-02160403-\$ or JP-02198704-\$ or JP-07251301-\$ or JP-07330350-\$ or JP-08210910-\$ or JP-09216232-\$ or JP-11010401-\$ or JP-2000024801-\$ or JP-2001212709-\$ or JP-2002348129-\$ or JP-2003011014-\$ or JP-2004148471-\$ or JP-2005195717-\$ or JP-59123631-\$ or JP-62003031-\$ or JP-62149429-\$ or JP-62162403-\$).did, or (JP-01193104-\$ or JP-02198704-\$ or JP-2003311527-\$ or US-20030086178-\$).did.				
L75	57	74 and (fixed)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 13:12
L76	2	(US-5638212-\$ or US-5589983-\$).did.	USPAT	OR	ON	2009/11/03 13:50
L77	2	76 and mold\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 13:50
L78	0	"10721547"	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 14:03
L79	1	"10/721547"	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 14:03
L80	62	hosoe-shigeru.in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 14:33
L81	63	hosoe-s\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 14:33

L82	40	I81 and (diamond)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 14:33
L83	25	I82 and (hardness rockwell vickers)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 14:33
L84	10	I82 and (hardness rockwell vickers). clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 14:33
L85	1	I79 and lens	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/03 14:35
L86	8032	(264/1.32,2.5,39,162,219).ccls. (264/1.32) (264/2.5) (264/39) (264/162) (264/219)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:36
L88	2030	(82/1.11).ccls. 82/1.11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:37
L90	1954	(407/113).ccls. (407/113)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:37
L92	10449	I86 "I87" I88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:38
L93	11886	I86 I88 I90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:38
L94	11886	I86 I88 I90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:38
L95	220	I94 and (hardness HV vickers HRA rockwell).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:39
L98	58	I94 and (hardness HV vickers HRA rockwell).clm. and (diamond)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:40
L100	20	I94 and (hardness HV vickers HRA rockwell).clm. and (diamond) and (optical lens microlens micro-lens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:40
L101	19	I94 and (hardness HV vickers HRA rockwell).clm. and (diamond) and (optical lens microlens micro-lens\$3) and (cut cutting grind grinding ground)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/03 14:40

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L87	5605	(264/1.32,2.5,39,162,219).ccls. (264/1.32) (264/2.5) (264/39) (264/162) (264/219)	USPAT; UPAD	OR	ON	2009/11/03 14:37
L89	1472	(82/1.11).ccls. 82/1.11	USPAT; UPAD	OR	ON	2009/11/03 14:37
L91	1483	(407/113).ccls. (407/113)	USPAT; UPAD	OR	ON	2009/11/03 14:38
L96	8438	l87 l89 l91	USPAT; UPAD	OR	ON	2009/11/03 14:39
L97	180	l96 and (hardness HV vickers HRA rockwell).clm.	USPAT; UPAD	OR	ON	2009/11/03 14:39
L99	44	l96 and (hardness HV vickers HRA rockwell).clm. and diamond	USPAT; UPAD	OR	ON	2009/11/03 14:40
L102	12	l96 and (hardness HV vickers HRA rockwell).clm. and (diamond) and (optical lens microlens micro-lens\$3) and (cut cutting grind grinding ground)	USPAT; UPAD	OR	ON	2009/11/03 14:41

11/3/2009 3:02:42 PM

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